

Recreation Management Support Program

Recreation Visitor Survey Analysis — South Atlantic Division

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December 2008

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Final report

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Abstract: This report documents a multi-year analysis (2004–partial 2007) of recreation visitor satisfaction results and comments for the South Atlantic Division of the U.S. Army Corps of Engineers. Information concerning socio-demographics, recreation area satisfaction, visitor center satisfaction and importance, and general comments were analyzed. This report conveys the findings and potential management implications thereof.

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Contents

Figu	ures and Tables	iv
Pref	face	vi
Fore	eword	vii
1	Introduction	
	Background	
	Data analysis	
	Socio-demographics	2
2	Recreation Area Comment Card Survey	6
3	Visitor Center Comment Card Survey	8
4	Results	9
	Respondent profiles (socio-demographic characteristics)	9
	Ethnic and racial affiliation	9
	Management implications	10
	Repeat visitation	12
	Management implications	12
	Federal agency visitor age distribution comparison	12
	Recreation area satisfaction	13
	Overall project visitor recreation area satisfaction mean	15
	Management implications	16
	Federal agency recreation area satisfaction comparisons	16
	Visitor center visitor satisfaction and importance	17
	Federal agency visitor center satisfaction comparison	22
	Recreation area visitor comment analysis	22
	Federal agency recreation area improvement priority comparison	25
	Visitor center comment analysis	26
	Federal agency visitor center improvement comment comparison	29
5	Study Limitations and Error	30
6	Summary and Discussion	32
Ref	erences	34
Арр	pendix A: Recreation Area Visitor Comment Card – 2006 to Present	36
Арр	pendix B: Visitor Center Comment Card	38
Rep	port Documentation Page	

Figures and Tables

Figures

Figure 1. South Atlantic Division boundary and major recreation projects	1
Figure 2. 2006 USACE American Customer Satisfaction Index mode	4
Figure 3. 2006 day use respondent racial affiliation.	10
Figure 4. 2006 camping respondent racial affiliation	10
Figure 5. 2006 recreation area facility satisfaction ratings	14
Figure 6. 2006 recreation area employee satisfaction ratings	14
Figure 7. 2006 recreation area environmental setting satisfaction ratings	14
Figure 8. 2006 recreation area overall satisfaction ratings	14
Figure 9. 2006 visitor center visitor facilities satisfaction ratings	18
Figure 10. 2006 visitor center visitor programs and services satisfaction ratings	18
Figure 11. 2006 visitor center visitor overall satisfaction ratings.	19
Figure 12. 2006 visitor center visitor facilities importance ratings	19
Figure 13. 2006 visitor center visitor programs and services importance ratings	19
Figure 14. 2006 visitor center visitor overall importance ratings	20
Figure 15. 2006 visitor center visitor top three reasons for visiting center	20
Figure 16. 2006 visitor center survey management implications	21
Figure 17. 2007 visitor center survey management implications	21
Figure 18. Recreation area most-liked features comment categories and percentage of respondents	23
Figure 19. Recreation area suggested improvement comment categories and percentage of respondents.	24
Figure 20. Visitor center most-liked facility comment categories and percentage of respondents	27
Figure 21. Visitor center suggested improvement comment categories and percentage of respondents	27
Figure 22. Visitor center primary reason for visiting and percentage of respondents	28

Tables

Table 1. Overall SAD project visitor satisfaction compared to national scores	3
Table 2. American Customer Satisfaction Index Corps recreation drivers of satisfaction	4
Table 3. SAD visitor center satisfaction scores compared to national scores	5
Table 4. 2006 American Community Survey results, ethnic and racial composition, SAD	11
Table 5. Overall visitor satisfaction mean.	15
Table 6. General comparison of overall satisfaction with other Federal agencies	16
Table 7. Overall SAD visitor center visitor satisfaction mean	17
Table 8 Federal agency visitor center satisfaction ratings comparison	22

Preface

The work reported herein was undertaken via a request from the South Atlantic Division, U.S. Army Corps of Engineers.

This report was prepared by Julie Marcy, Environmental Laboratory (EL), U.S. Army Engineer Research and Development Center (ERDC). Dr. LiChu Lee, EL, ERDC, and Christine Wibowo, EL, ERDC, conducted preliminary data analyses. Richard Kasul, EL, ERDC, provided additional assistance and formulated the Customer Comment procedures with assistance from Dr. Wen-Huei Chang, ERDC. This work was conducted under the general supervision of Antisa Webb, Chief, Ecological Resources Branch (ERB), EL; Dr. David Tazik, Chief, Ecosystem Evaluation and Engineering Division (EEED), EL; and Dr. Elizabeth Fleming, Director, EL.

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COL Gary E. Johnston was Commander and Executive Director of ERDC. Dr. James R. Houston was Director.

ERDC/EL TR-08-42 vii

Foreword

The U.S. Army Corps of Engineers initiated a customer comment card program in 1994 in response to Executive Order 12862 (The White House 1993) issued on 11 September 1993 for monitoring visitor satisfaction at Corps lakes and projects. The methodology has evolved over time to include administering standardized surveys at most Corps projects in 2004, and adding survey tools and procedures for conducting satisfaction surveys at visitor centers in 2005 with routine VC monitoring beginning in 2006. In September 2007, SAD requested that ERDC provide a more indepth analysis of this data to identify trends and management implications.

South Atlantic District (SAD) recreation projects studied for 2004 were:

- Mobile District Black Warrior and Tombigbee Rivers, Buford
 Dam/Lake Sidney Lanier, Carters Lake, Claiborne Lake/Alabama and
 Coosa Rivers, Jim Woodruff Lock & Dam/Lake Seminole, Millers Ferry
 Lock/Alabama and Coosa Rivers, Okatibbee Lake, Robert F. Henry
 Lock/Jones Bluff, Alabama and Coosa Rivers, Tennessee Tombigbee
 Waterway, Walter F. George Lock & Dam, West Point Lake
- Savannah District Hartwell Dam & Lake
- Wilmington District B. Everett Jordan Dam & Lake, Philpott Lake,
 W. Kerr Scott Dam & Reservoir

SAD recreation projects studied for 2005 were:

- Mobile District Allatoona Lake, Black Warrior and Tombigbee Rivers, Buford Dam/Lake Sidney Lanier, Carters Lake, Claiborne Lake/Alabama and Coosa Rivers, Jim Woodruff Lock & Dam/Lake Seminole, Millers Ferry Lock/Alabama and Coosa Rivers, Okatibbee Lake, Robert F. Henry Lock/Jones Bluff, Alabama and Coosa Rivers, Tennessee Tombigbee Waterway, Walter F. George Lock & Dam, West Point Lake
- Savannah District Hartwell Dam & Lake, J. Strom Thurmond Dam & Lake
- Wilmington District B. Everett Jordan Dam & Lake, John H. Kerr Dam, Philpott Lake, W. Kerr Scott Dam & Reservoir

ERDC/EL TR-08-42 viii

SAD recreation projects studied for 2006 were:

 Mobile District – Allatoona Lake, Black Warrior and Tombigbee Rivers, Buford Dam/Lake Sidney Lanier, Carters Lake, Claiborne Lake/Alabama and Coosa Rivers, Jim Woodruff Lock & Dam/Lake Seminole, Millers Ferry Lock/Alabama and Coosa Rivers, Okatibbee Lake, Robert F. Henry Lock/Jones Bluff, Alabama and Coosa Rivers, Tennessee Tombigbee Waterway, Walter F. George Lock & Dam, West Point Lake

- Savannah District Hartwell Dam & Lake, J. Strom Thurmond Dam & Lake
- Wilmington District B. Everett Jordan Dam & Lake, Falls Lake, John H. Kerr Dam, Philpott Lake, W. Kerr Scott Dam & Reservoir

SAD recreation projects studied for 2007 (partial year data) were:

- Mobile District Alabama River Lakes (Dannelly, Woodruff, Clairborne), Allatoona Lake, Black Warrior and Tombigbee Rivers, Buford Dam/Lake Sidney Lanier, Jim Woodruff Lock & Dam/Lake Seminole, Tennessee Tombigbee Waterway
- Wilmington District W. Kerr Scott Dam & Reservoir

SAD Visitor Centers studied for 2006 were:

- Mobile District Alabama River Lakes Site, Allatoona Lake Operations Managers Office, Black Warrior and Tombigbee Rivers, Carters Lake, Lake Sidney Lanier, Millers Ferry Resource Office, Okatibbee Lake Project Office, Tom Bevill Visitor Center, West Point Lake
- Savannah District Hartwell Lake
- Wilmington District B. Everett Jordan Lake Visitor Center, John H. Kerr Reservoir, Philpott Lake Visitor Assistance, W. Kerr Scott Reservoir

SAD Visitor Centers studied for 2007 (partial year data) were:

- Mobile District Allatoona Lake Operations Managers Office, Carters Lake, Jamie L. Whitten Visitor Center, Tom Bevill Visitor Center, West Point Visitor Center
- Wilmington District B. Everett Jordan Lake Visitor Center, W. Kerr Scott Reservoir

1 Introduction

Background

This report documents a multi-year analysis (2004- partial 2007) of recreation visitor satisfaction results and comments for the South Atlantic Division (SAD) of the U.S. Army Corps of Engineers (Corps, USACE). SAD is one of eight regional offices of the Corps, with responsibility for planning, design, construction, and operation of a wide variety of military and water resources projects. The Division provides services to soldiers, airmen, and civilians in eight southeastern states (Tennessee for military projects only), from Virginia to Mississippi (Figure 1).

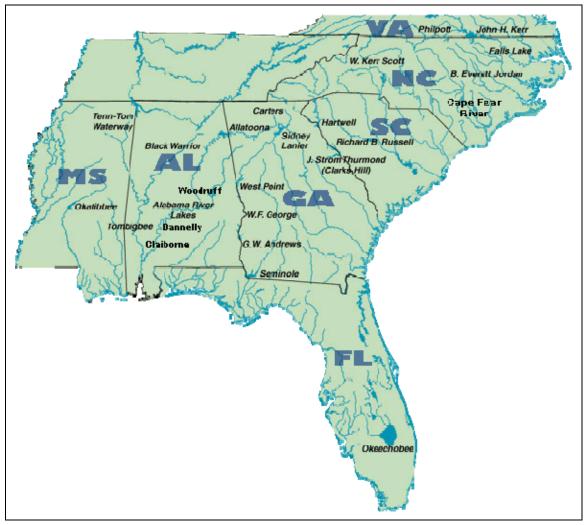


Figure 1. South Atlantic Division boundary and major recreation projects.

Recreation resources at SAD include: annual visitation of approximately 65,000,000 visits, 833 recreation areas, 13,644 campsites, 584 miles of trail, 260 swimming beaches, and 56 marinas (USACE 2008a, 2008c). This results in \$704 million in value-added economic impact (USACE 2006). SAD is one of eight regional offices of the Corps, with responsibility for planning, design, construction, and operation of a wide variety of military and water resources projects. This study is limited to Civil Works water resources lakes in SAD.

Data analysis

Data originated from customer comment surveys administered at each recreation project and reported on the Natural Resources Management Gateway (USACE 2008b, and procedural details in Section 2 of this report). Visitors surveyed included those at day use areas, campgrounds, recreation areas with both camping and day use, and visitor centers (VC). Standardized customer comment cards (Appendices A and B) were administered by SAD project personnel via an established methodology (USACE 2008a).

Analyses were performed on respondent socio-demographics, satisfaction and importance levels, and general visitor comments with the findings and potential management implications reported herein. Further preliminary analysis was performed on visitor satisfaction and importance ratings, respondent demographics, home Zip code, state, and country using Access database and Crystal Reports Presentation. Additional analysis was performed on visitor satisfaction and comment analyses using Statistical Analysis Software (SAS), SAS BASE, SPSS Base, and SPSS Text Analysis. Comment Cards from 15 projects were analyzed for 2004, 18 for 2005, 20 for 2006, and 9 for partial 2007. Comment cards from 14 visitor centers in 2006 and 7 in 2007 were also assessed. Results were compared to annual surveys of the American Customer Satisfaction Index (ACSI) for the Corps Recreation Program (ACSI 2006, Figure 2 and Table 1). Comparison recreation visitor feedback information for other federal agencies is provided for some analysis categories, where appropriate.

Socio-demographics

Visitors were predominantly from Georgia, Alabama, North Carolina, Mississippi, Florida, South Carolina, and Virginia, with Georgia and Alabama providing the most visitors. Approximately 56 percent of visitors

surveyed were men, and 38 percent women (remaining undeclared). An assessment of 2006 data by Day Use and Camping revealed that Day Use visitors were 71 percent non-Hispanic, 6 percent Hispanic, and 23 percent undeclared plus 76 percent Caucasian, 12 percent African American, 1 percent each of Asian, American Indian, and bi/multi-racial (remaining undeclared). Camping visitors were 71 percent non-Hispanic, 1 percent Hispanic, and 28 percent undeclared plus 94 percent Caucasian, 1 percent each of African American, American Indian, and bi-/multi-racial (remaining undeclared). Of these visitors, the majority were repeat visitors (67–87 percent). This representation appeared to generally apply to the other sampling years as well.

Recreation area satisfaction indicated that visitors surveyed at SAD projects consistently meet, and often exceed, Corps National recreation mean satisfaction scores indicating that visitors are highly satisfied with their recreation experience for those topics included in the survey. Overall SAD project visitor satisfaction scores

Table 1. Overall SAD project visitor satisfaction compared to national scores.

Year	SAD Mean	National Mean
2004	4.6	4.4
2005	4.7	4.6
2006	4.7	4.6
Partial 2007	4.7	4.7

shown in Table 1 were based on a 5-point scale (very good = 5, good = 4, not poor/not good = 3, poor = 2, and very poor = 1) and combining ratings of good and very good. Note that there was some variation in the survey instrument between 2004 and 2007.

Recurring trends for recreation elements the visitors liked most in recreation areas included: quality of natural resources, quiet setting, and clean facilities. Recurring trends for recreation elements visitors would like to see improved included: adding/improving utility hook-ups, adding showers or restrooms, and improving lighting. These findings correspond with the annual American Customer Satisfaction Index results (Figure 2 and Table 2) that show facilities, quality lands and waters, and the availability of information and visitor services as major drivers of satisfaction for Corps recreation visitors (ACSI 2006). The ACSI is a weighted average of three questions: Q11, Q12, and Q13. The questions are answered on 1-10 scales, but the weighted average is transposed and reported as an index on a 0-100 scale. The three questions measure: Overall satisfaction (Q11); Fallen short of or exceeded expectations (Q12); and Comparison to an ideal (Q13).

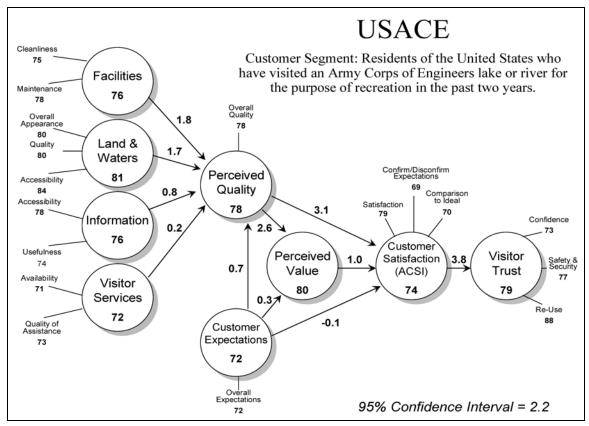


Figure 2. 2006 USACE American Customer Satisfaction Index model (scale 0-100).

Table 2. American Customer Satisfaction Index Corps recreation drivers of satisfaction.

Activities That Drive Satisfaction						
	2006	2005	2004	2003	2002	2001
Facilities	76	77	77	79	77	73
Land & Waters	81	80	82	84	81	79
Information	76	76	74	75	76	71
Visitor Services	72	71	71	72	71	66
Major Drivers of Satisfaction						
Perceived Value	80	81	80	81	80	NM
Customer Expectations (Quality Anticipated)	72	73	75	73	72	69
Perceived Quality (Quality Experienced)	78	79	79	80	79	76

Visitor Center satisfaction and importance ratings showed that scores met or exceeded the National mean scores for Visitor Centers. Overall VC satisfaction scores (Table 3) were based on a 5-point scale and combining ratings of good and very good:

The helpfulness and availability of VC staff, restroom acceptability, convenient parking and brochures garnered the highest satisfaction scores while guided tour quality and exhibits for children received the lowest satisfaction scores. Available staff, restroom

Table 3. SAD visitor center satisfaction scores compared to national scores.

Year	SAD Mean	National Mean
2006	4.8	4.7
Partial 2007	4.7	4.7

quality, convenient parking and brochures received the highest importance scores, while guided tours and bookstores received the lowest importance scores.

Visitor Center customers reported viewing exhibits and obtaining information as their primary reasons for visiting VC's. VC elements that visitors like most included helpful attendants and attractive facilities. VC elements that visitors would like to see improved included: improving or expanding exhibits/displays, and adding vending machines.

Management implications derived from the SAD visitor comment analysis include insights into populations that may not be participating in Corps recreation, potential perception and expectation differences between first time and repeat visitors, satisfaction rating differences between projects, and potential emphasis areas based on combining satisfaction and importance ratings. As recreation area availability and visitor travel costs change in the future, the information contained in this report may serve as a baseline reference.

2 Recreation Area Comment Card Survey

Executive Order 12862 (The White House 1993) issued on 11 September 1993 was the impetus for a Corps recreation customer comment card program. The program initiated in 1994 at recreation areas in order to monitor visitor satisfaction at Corps lakes and projects. The methodology evolved over time to include administering standardized surveys at most Corps projects in 2004. Richard Kasul and Dr. Wen-Huei Chang, ERDC, developed the Comment Card data collection procedures that include the Survey Schedule Generator, and Christine Wibowo, ERDC, provides technical support to project personnel conducting the surveys (USACE 2008a). An archived history of survey instruments and methodologies used may also be found at the referenced site.

The automated Survey Schedule Generator is used by field personnel to develop a sampling schedule(s) that lists the locations (recreation areas) and times (dates) on a Project at which a fixed quota of comment cards will be administered to visitors. Most Projects generate two different sampling schedules - one for day use visitors and another for camping visitors with customizations available for recreation seasons and holidays. This generally results in 20 sampling periods for each day of day use and camping and the collection of 8 samples/cards per sampling period. Current surveys include 160 day use and 160 camping surveys per project, along with 20 VC surveys per week for an 8-week period. The survey forms (Figures A1 and B1) are available in both English and Spanish versions. For the Fiscal Year 07/08 survey, the survey was optional for projects that received a recreation business area budget of less than \$50,000 the previous year. Beginning with the Fiscal Year 08/09 survey, annual surveys will be optional, with national surveys conducted every three years. Resulting survey data are collected on the Natural Resources Management Gateway Customer Comment Surveys database where comparisons are made by project, district, division, and nationally (USACE 2008b).

Surveyed recreation area visitors were asked to comment on: whether or not they are a first-time visitor, the park facilities they used, fees paid, socio-demographic information, their level of satisfaction with facilities, employees, environmental setting, and an overall satisfaction rating. A five-point scale ranging from Very Good to Very Poor was used to gauge

satisfaction. Finally, visitors were asked to describe what they liked most about the area, and what improvements they would like to see in the area.

3 Visitor Center Comment Card Survey

Procedures for conducting satisfaction surveys at Corps visitor centers (VC) were tested in 2005 with routine VC monitoring beginning in 2006 (Appendix B). The automated survey planning tool produces a sampling schedule showing the number of comment cards and time of the day that cards should be administered during each day of an eight-week primary sampling season (20 VC surveys per week during the 8 weeks). A sampling schedule can also be produced for VC's that elect to survey an optional secondary sampling season.

Surveyed VC visitors were asked to comment on: whether or not they are a first-time visitor, their primary reason for visiting the center, whether or not children accompanied them, and socio-demographic information. They were also asked to score the importance of and satisfaction with features such as Facilities, Programs and Services, and overall satisfaction. A five-point scale ranging from Very Good to Very Poor was used to gauge satisfaction, and a four-point scale ranging from Very Important to Not Important was used to gauge importance. Finally, visitors were asked to describe what they liked most about the visitor center, and what improvements they would like to see.

4 Results

Results are provided in the following nine topic areas:

- Respondent profiles (socio-demographic characteristics)
- Federal agency visitor age distribution comparison
- Recreation area satisfaction
- Federal agency recreation area satisfaction comparisons
- Visitor center satisfaction and importance
- Federal agency visitor center satisfaction comparisons
- Recreation area visitor comment analysis
- Federal agency visitor comment comparisons
- Visitor center visitor comment analysis.

Corresponding management considerations are also provided for each primary topic area.

Respondent profiles (socio-demographic characteristics)

For both recreation area and visitor center visitors, the majority of respondents were from Georgia, Alabama, North Carolina, Mississippi, Florida, and South Carolina with Virginia, Georgia and Alabama providing the most visitors. Of these, approximately 56 percent of those surveyed were male, and 38 percent female.

Ethnic and racial affiliation

Affiliation was examined for 2006 by camping and day use. For day use, 71 percent of respondents were non-Hispanic, 6 percent Hispanic, and 23 percent undeclared. For camping, 71 percent of respondents were non-Hispanic, 1 percent Hispanic, and 28 percent undeclared. For day use, racial affiliation was 76 percent Caucasian, 12 percent Black, and 1 percent each of Asian, American Indian, and Bi-/Multi-Racial (remaining undeclared, Figure 3). For camping, racial affiliation was 94 percent Caucasian, and 1 percent each of Black, American Indian, and Bi-/Multi-Racial (remaining undeclared, Figure 4).

Results of the 2006 American Community Survey (U.S. Census Bureau 2008) are summarized in Table 4, which shows ethnic and racial composition for the primary states in the South Atlantic Division that differs from the respondent composition. Note that the totals may not equal 100 percent in that the separate census for ethnic and racial groups is hereby combined:

Management implications

The ethnic and racial affiliation of surveyed project visitors may not be proportionate to county or state norms in that minorities (Black, Hispanic, Asian (BHA)) appear to be under-represented. Note that the choice of which visitors in the recreation area and camping surveys received

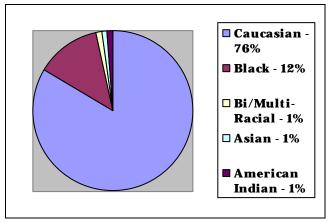


Figure 3. 2006 day use respondent racial affiliation.

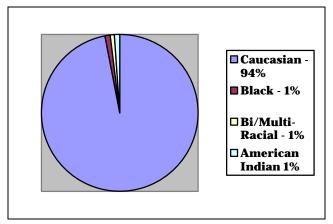


Figure 4. 2006 camping respondent racial affiliation.

the questionnaire with respect to age, gender, ethnicity and other factors, was not controlled and may influence the results. If increasing visitation or having project visitors ethnically and racially mirror the surrounding population were desired, then this could be addressed. There are many possible reasons for the current apparent variation including: BHA visitors being under-represented in surveys; regional variations in the distribution of ethnic groups; a decrease in all visitors to outdoor recreation sites; lack of available transportation to the lakes, BHA visitors seeking different facilities than those offered by the Corps, and survey data limitations as described in the Study Limitations and Error section of this report.

State	Percent Caucasian	Percent Black	Percent Hispanic	Percent Asian	Percent American Indian/Alaska Native
Alabama	69	29	2.4	1	0.4
Georgia	62	30	7.4	3	0.2
Mississippi	59	38	1.6	0.8	0.4
North Carolina	70	22	6.8	1.9	1.1
Virginia	71	20	6.2	4.8	0.2

Table 4. 2006 American Community Survey results, ethnic and racial composition, SAD.

Focus group research performed by Bob Dunn, USACE indicated that Black visitors often preferred large, day use group shelters to accommodate family and community groups; that Hispanic visitors preferred both day use and camping facilities that accommodate large family groups as well as grassy fields for sports like soccer; and that Asian visitors were interested in day use facilities that accommodate large family groups, along with interpretive or educational programs (Dunn and Quebedeaux 1999). More recent research on Hispanic visitors by the U.S. Forest Service (USFS) also indicated a preference for larger-sized picnic tables, grouping of tables, trash cans near picnic sites, nearby barbeques, increased parking and flush toilets in restrooms (U.S. Department of Agriculture (USDA) 2007). Additional research by the U.S. Forest Service (National Visitor Use Monitoring Program) has found that Blacks account for only 0.7 percent of visits to national forests across the country, and no more than 5 percent of visits to any national forest across the South, yet represent 12 percent of the U.S. population (USDA 2007).

Additional insight may be gained from a National Park Service survey of over 3,500 households (visitors and non-visitors) on ethnic and racial diversity that showed: Hispanic and African Americans felt they lacked information about what to do inside a park, and that the costs of hotels and food were too high. Hispanics also noted concern with having to make reservations too far in advance and safety in parks (Solop et al. 2003). In addition, African Americans were more than three times as likely as whites to believe that park employees gave poor service to visitors, and that parks were uncomfortable places to be for people similar to themselves. Another NPS study (Gramann 2003) found that "the fastest growing segment of the U.S. population is made up of people who are under-represented in visits to national parks — Latinos and other peoples of color."

Repeat visitation

The 2006 Corps survey data were examined for the percentage of visitors who visited previously, revealing that the majority of visitors surveyed were repeat visitors. This ranged from 67 to 87 percent repeat visitors, depending on the project examined. One comparison is a USFWS study in which 44 percent of surveyed visitors indicated they were visiting a refuge for the first time, and 87 percent indicating they were likely to visit a refuge again in the next 2 years (Pacific Consulting Group 2005).

Management implications

Having a high percentage of repeat visitors is advantageous, since it represents a loyal customer base. But, repeat visitors may also be more demanding when it comes to level of service or facility modernization. This would appear to correspond with visitor comments received concerning desired facility upgrades. If a visitation increase is desired, then marketing efforts could be targeted at visitor populations who are not currently being served. In the 2006 American Customer Satisfaction Index survey (ACSI 2006), the top reasons visitors gave for returning to Corps sites were: convenient/accessible, offers many types of recreation, well cared for/ clean, beautiful scenery, enjoyment, and value for price. It is also important to view evaluations from first-time visitors since they are a likely source of future visitation if they like what is being offered. If they don't, they are unlikely to return. Therefore, knowing how first-time visitors react to Corps facilities, services, and environmental settings helps to gauge what future visitors may expect. Knowing who first-time visitors are likely to be will also help direct marketing efforts, modernization efforts, and other activities designed to bring in and retain new visitors.

Federal agency visitor age distribution comparison

Comparing the age distribution of surveyed SAD visitors on Corps projects to the age distribution of visitors to other federal lands provides a broader perspective of the recreating public. It should be noted that this is a general comparison due to variations in survey methodology, facilities, and visitors and that not all totals will equal 100 percent.

A representative excerpt from 2006 found the following age representation among SAD Corps visitors surveyed:

- Under 25 11%
- 25 to 44 39%
- 45 to 61 27%
- 62 and above 20%

A U.S. Forest Service study of national visitors January 2000 through September 2003 found the following age distribution (USDA 2005):

- Under 20 − 22%
- 20 to 49 53%
- 50 to 59 14%
- Over 60 11%

A U.S. Fish and Wildlife Service (USFWS) National Wildlife Refuge visitor satisfaction survey had the following age distribution (USFWS 2005):

- 18 to 21 − 5%
- 22 to 40 23%
- 41 to 60 47%
- Over 61 25%

A National Park Service analysis of visitors during the period 1997 to 1999 revealed (Forist et al. 2003):

- Under 31 14%
- 31 to 40 22%
- 41 to 60 47%
- Over 61 − 16%

A National Park Service analysis of visitors during the period 1992 to 2005 shows (Le et al. 2006):

- Under 18 average 20%
- Over 64 average 11%

Recreation area satisfaction

In general, surveyed SAD projects consistently meet Corps national recreation area mean satisfaction scores indicating that surveyed visitors are highly satisfied with their recreation experience for those topics included in the survey. Visitors who respond "Good" or "Very Good" to a question

about their recreation experience are considered to be satisfied. Data from 2006 provide more in-depth analysis with Figures 5 through 8, since it is the most recently completed database.

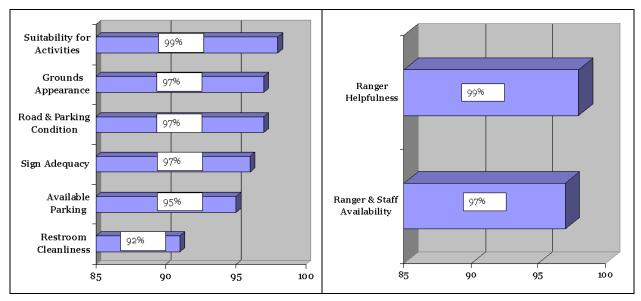


Figure 5. 2006 recreation area facility satisfaction ratings.

Figure 6. 2006 recreation area employee satisfaction ratings.

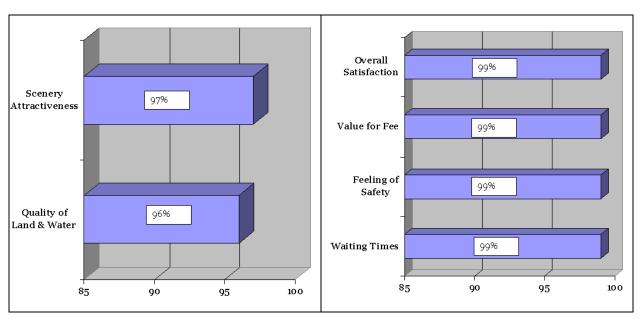


Figure 7. 2006 recreation area environmental setting satisfaction ratings.

Figure 8. 2006 recreation area overall satisfaction ratings.

Overall project visitor recreation area satisfaction mean

SAD recreation visitor satisfaction met overall satisfaction means for all sampled Corps recreation areas based on a 5-point scale (very good = 5, good = 4, not poor/not good = 3, poor = 2 and very poor = 1) and combining ratings of Good and Very Good where scores of Good and Very Good are combined to equate to satisfaction (Table 5).

2004 SAD Mean - 4.6	National Mean – 4.4
2005 SAD Mean - 4.7	National Mean – 4.6
2006 SAD Mean - 4.7	National Mean – 4.6
Partial 2007 SAD Mean - 4.7	Partial National Mean - 4.7

Table 5. Overall visitor satisfaction mean.

Overall recreation area satisfaction scores were as follows: (response of good or very good combined to equate to satisfaction; 0–100 scale designating percentage of responses pertaining to topic area):

- **2004** Overall Satisfaction 96%
- **2005** Overall Satisfaction 99%
- **2006** Overall Satisfaction 99%
- 2007 Partial Overall Satisfaction 98%

Highest Recreation Area Satisfaction Scores: (0-100 scale designating percentage of responses pertaining to topic area)

- **2004** Safety and Security of the Recreation Area 96%
- **2005** Facility Suitability for Activities 98%
- 2006 99-percent rating for Feeling of Safety, Overall, Employee Helpfulness, Overall Value for Fee Paid, Waiting Time, and Facility Suitability for Activities
- **2007 Partial** 98 percent for Facility Suitability for Activities, Value for Fee Paid, Safety, Facility Grounds, and Attractive Environment

Lowest Recreation Area Satisfaction Scores: While representing good scores, the following areas received the lowest scores of combined ratings for very good and good and represent possible areas for management emphasis:

- **2004** Restroom Cleanliness 87%
- **2005** Restroom Cleanliness 91%
- **2006** Restroom Cleanliness 92%
- **2007 Partial** Restroom Cleanliness 91%

Management implications

The overall SAD annual visitor recreation area satisfaction level ranged from 4.4 to 4.7 on a 5-point scale, which is equal to the national Corps annual visitor satisfaction level for the same period. Visitors were most satisfied with facility suitability for recreation activities and a feeling of safety. Although still scoring relatively high, restroom cleanliness tended to receive lower scores overall. This corresponds with information generated in the annual ACSI survey (ASCI 2006) "In particular, cleanliness of the facilities scores the lowest ... and would make a good focal point for improvement that would lead to a better perceived overall quality of the sites."

Federal agency recreation area satisfaction comparisons

Recreation Area Visitor Satisfaction: Comparing survey results for Corps projects to visitor survey results for other federal agencies provides some insight into satisfaction levels for a broader base of recreation customers (Table 6). It should be noted that this is a general comparison due to variations in survey methodology, facilities, and visitors.

			_
Year	SAD Percent Satisfied	Agency	Percent Satisfied
2004	96	USFWS ¹	95
2005	99	-	-
2006	99	NPS ²	96
2006	99	BLM ³	96
2006	99	USFS ⁴	85

Table 6. General comparison of overall satisfaction with other Federal agencies.

- ¹ Rated 4 or 5 satisfied with US Fish & Wildlife Service (USFWS) wildlife refuge experience from interview questionnaires (Pacific Consulting Group 2005).
- ² Good/Very Good National Park Service (NPS) overall visitor satisfaction rating from comment card surveys (Le et al. 2007).
- ³ Good/Very Good rating for Bureau of Land Management (BLM) recreation visitors satisfied with the quality of their recreation experience from questionnaire (BLM 2007).
- ⁴ Good/Very Good overall aggregate satisfaction for U.S. Forest Service (USFS) recreation customers satisfied with "outdoor recreation services and facilities provided in a sustainably managed natural setting" from interviews (USFS 2007).

Agency Visitor Characteristics: A study undertaken by The Recreation Roundtable in January 2004 noted some interesting comparisons for recreation visitors to federal agency sites (RoperASW 2004). This included: families being over-represented among visitors to Corps, USFS, and NPS sites; younger adults (ages 18-29) being over-represented among visitors to national forests and national parks; families with incomes of \$50K – \$75K being over-represented among visitors at each of Corps, USFS, NPS, USFWS, and BLM sites; and visitors at federal sites being above average in computer ownership and Internet access at home.

Management Implications: The satisfaction ratings of Corps visitors in SAD generally compare favorably with satisfaction ratings expressed by recreation visitors to other federal lands. An awareness of visitor sociodemographic characteristics can assist in identifying age groups or income levels that are not currently represented, and in targeting key message communication mediums such as the Internet for "computer-savvy" visitors.

Visitor center visitor satisfaction and importance

Visitor Center Satisfaction: Visitor center surveys began in 2006. Satisfaction with SAD visitor centers met or exceeded means for overall satisfaction at all sampled Corps visitor centers (Table 7). Data from 2006 provides more in-depth analysis beginning with Figure 11 since it is the most recently completed database.

Table 7. Overall SAD visitor center visitor satisfaction mean

2006 SAD Mean - 4.8	National Mean - 4.7
Partial 2007 SAD Mean - 4.7	Partial National Mean - 4.7

Highest SAD Visitor Center Satisfaction Scores (response of good or very good combined):

- 2006 99-percent ratings for Visitor Center Staff Availability and Overall Satisfaction, and 98-percent rating for Visitor Center Staff Helpfulness, Convenient Parking, Restroom Quality, and Brochures.
- **2007 Partial** 98-percent rating for Restroom Acceptability and Visitor Center Staff Availability, 97-percent rating for Visitor Center Staff Helpfulness.

Lowest SAD Visitor Center Satisfaction Scores: While representing favorable scores, the following areas received the lowest scores of combined ratings for very good and good and represent possible areas for management emphasis (Figures 9, 10, and 11):

- 2006 93-percent ratings for each of Guided Tour Quality, Bookstore Items, and Exhibits for Children
- **2007 Partial** 98-percent rating for Restroom Cleanliness, and 91 percent for Childrens' Activities and Guided Tour Quality

Highest SAD Visitor Center Importance Scores: Visitors were also asked to rate key Visitor Center elements on importance. The highest scoring items were (combined response of Important or Very Important):

- 2006 93-percent rating for Visitor Center Staff Availability and 89-percent ratings for Convenient Parking, Restrooms, and Brochures
- **2007 Partial** 94-percent rating for Restroom Quality and 93-percent rating for Staff Availability, Exhibits, and Learning Opportunities

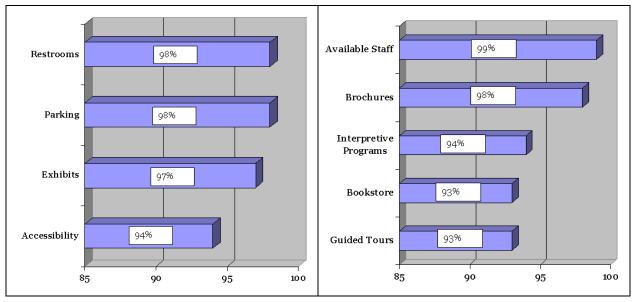


Figure 9. 2006 visitor center visitor facilities satisfaction ratings.

Figure 10. 2006 visitor center visitor programs and services satisfaction ratings.

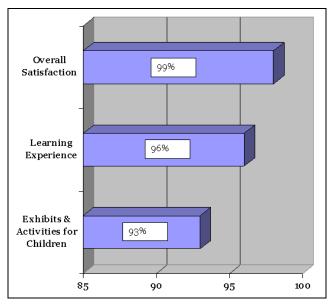


Figure 11. 2006 visitor center visitor overall satisfaction ratings.

Lowest SAD Visitor Center Importance Scores: The following areas received the lowest scores of combined ratings for Very Important and Important and represent possible areas for management emphasis (Figures 12, 13, and 14):

- **2006** 65-percent rating for Guided Tour Quality and 68-percent rating for Bookstore items
- **2007 Partial** 73-percent rating for Guided Tour Quality

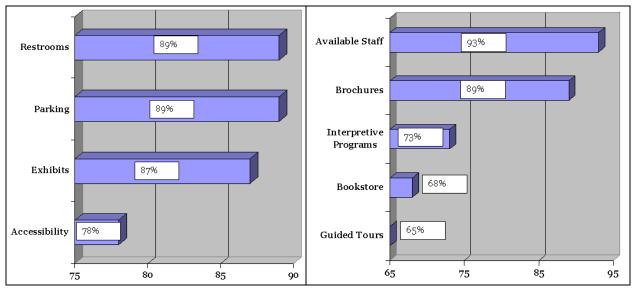


Figure 12. 2006 visitor center visitor facilities importance ratings.

Figure 13. 2006 visitor center visitor programs and services importance ratings.

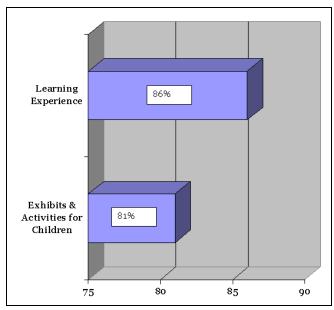


Figure 14. 2006 visitor center visitor overall importance ratings.

Primary Reason for Coming to Visitor Center: When asked their primary reasons for coming to the Visitor Center, respondents indicated that the top three reasons were viewing exhibits, obtaining information or brochures, and purchasing a recreation area pass (Figure 15). Note that the totals do not equal 100 percent since only the most frequently mentioned items are listed.

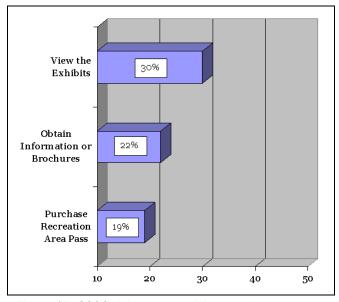


Figure 15. 2006 visitor center visitor top three reasons for visiting center.

Management Implications: Visitor center satisfaction ratings are generally high. Recommended emphasis areas may be identified by combining satisfaction and importance ratings. For example, areas that respondents score very important and are satisfied with (Exhibits, Staff Availability, etc.) should be a focus of maintained emphasis, whereas items scored of high importance and low satisfaction (learning opportunities, children's activities, and accessible facilities) should be considered for more emphasis (Figures 16 and 17).

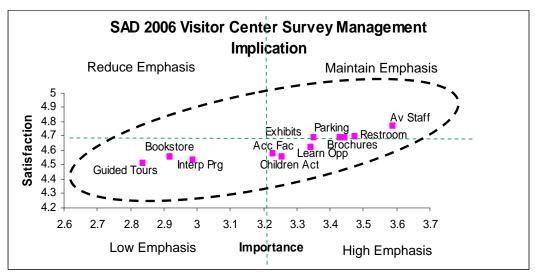


Figure 16. 2006 visitor center survey management implications.

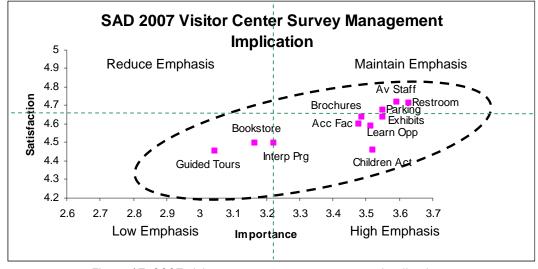


Figure 17. 2007 visitor center survey management implications.

Federal agency visitor center satisfaction comparison

Visitor Center Visitor Satisfaction: Comparing survey results for Corps SAD projects to visitor survey results for other federal agencies provides some insight into satisfaction levels for a broader base of recreation customers. It should be noted that this is a general comparison due to variations in survey methodology, facilities, and visitors. Corps survey data are compared to NPS data (Le et al. 2007) in Table 8.

Visitor Center Rating Element	Corps SAD Percent Satisfied	NPS 2006 Percent Satisfied
Restrooms	98	77 (included all restrooms)
Brochures	98	86
Exhibits	97	83
Interpretive Programs	94	89
Overall VC Satisfaction	99	89

Table 8. Federal agency visitor center satisfaction ratings comparison.

Recreation area visitor comment analysis

Comment Analysis: The recreation area visitor comment cards provide an opportunity for visitors to give general comments on topics such as features they liked most and improvements they would like to see. Original comments were grouped into categories for frequency analysis.

Suggested Recreation Area Improvements for 2004: Categories receiving the highest number of comments were:

- Camping/Picnic Sites 18 percent of respondents, with hook-up expansion receiving the most comments.
- Other Facilities 12 percent of respondents, with improving lighting receiving the most comments.
- Building/Restroom/Showerhouses 9 percent of respondents, with adding restrooms/showerhouses receiving the most comments.
- Sample Comments Provide "sewer on at least some sites"; provide "a few street lights throughout park"; and "add bathhouse to waterfront area."

Recreation Area Comments for Most Liked Features: A multiyear analysis of categories and their associated percentage of comments with day use and camping combined are presented in Figure 18. For example in 2005, 25 percent of the respondents rated the quality of natural resources as the feature they liked most, as compared to 21 percent in 2006, and 25 percent in 2007. Note that Figure 18 totals do not equal 100 percent since only the most frequently mentioned items are listed. Sample comments received include:

- "It's on the water and beautiful"
- "The lake is very clean and easy to access"
- "We have been visiting for 30 years, so we like everything"
- "Close to home"
- "Not crowded," "Peaceful"
- "Clean, family atmosphere"
- "Campsites close enough that an entire club can camp together"
- "Quiet and shady campsites near the water"
- "Seeing God's nature and being able to relax"

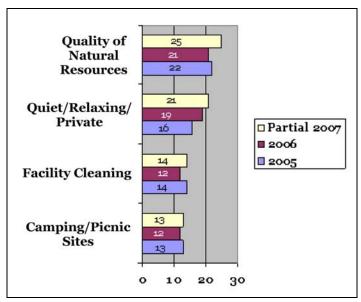


Figure 18. Recreation area most-liked features comment categories and percentage of respondents.

Recreation Area Improvement Comments: A multi-year analysis of categories and their associated percentage of respondent comments for suggested improvements in day use and camping areas combined are presented in Figure 19. Sample comments received include:

- "More bathhouses and sewer at campsites"
- "Fish cleaning house needs better lighting"
- "Need floating piers to help the elder people get on and off boats"
- "More parking for boat trailers"
- "Air condition the laundry room"
- "More full hook-ups on water"
- "Wife wants update in bathrooms"
- "A swimming pool, arcade and gift shop"
- "Kill weeds in the lake and fire ants"

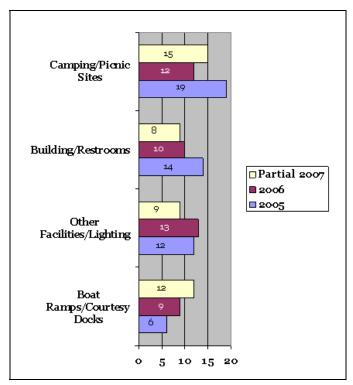


Figure 19. Recreation area suggested improvement comment categories and percentage of respondents.

Management Implications: General recreation area comments allow visitors to provide feedback on a wider range of topic areas and can provide immediate feedback to recreation area managers on topics of greatest concern to the visitors. Managers would commonly want to continue providing those elements visitors liked most and consider making suggested improvements depending on frequency/demand. More specific information includes:

Most-Liked Features – A multi-year trend was apparent for the following in terms of what surveyed visitors like most about Corps projects

- they visited: attractive/high quality natural resources; having a quiet/relaxing/private area to recreate in; and having clean restrooms.
- Improvement A multi-year trend was also apparent for the following in terms of visitor-suggested improvements: improving/expanding hook-ups in campgrounds (electric, sewer, etc.); improving lighting; adding restrooms/showerhouses; and adding more general facilities such as campsites, picnic sites, and docks.
- General These findings corresponded with ACSI results, indicating
 that facilities and land and water quality drive visitor satisfaction. Of
 particular note are the references to quality natural resources and quiet
 settings. Although the surveyed visitors expressed interest in providing
 more traditional facilities (camping and picnic sites) with hook-ups,
 they also wanted to retain environmental quality and a peaceful, quiet
 setting. This would suggest a need to balance development with
 environmental quality.

Federal agency recreation area improvement priority comparison

Recreation Area Suggested Improvements: Comparing visitor survey results at Corps SAD projects to results for other federal agencies provides some insight into satisfaction levels for a broader base of recreation customers. It should be noted that this is a general comparison due to variations in survey methodology, facilities, and visitors. A comparison of Corps survey data to USFWS data (Pacific Consulting Group 2005) revealed the following:

- Corps SAD Suggested Improvements: As previously stated, the most frequent improvement suggestions dealt with Camping/Picnic Sites with hook-up expansion receiving the most common response; Boat Ramps/Courtesy Docks with improving parking; Other Facilities with improving lighting; and Buildings/Restrooms with adding restrooms/ showerhouses.
- USFWS Suggested Improvements: Suggested improvements dealt with Adequate Activities and Opportunities with providing more access to facilities the most common response; Visitor Center and Contact Stations with having adequate staffing; and Road and Transportation Systems with improving maintenance of trails and bridges and providing better tram service.

Visitor center comment analysis

Comment Analysis: The visitor center comment cards provide an opportunity for visitors to give general comments on topics such as features they liked most and improvements they would like to see. Original comments were grouped into categories for frequency analysis.

Visitor Center Most Liked Features Comments: A 2-year analysis of categories and their associated percentage of comments are presented in Figure 20. For example, in 2006, 38 percent of the respondents rated exhibits and information as the feature they liked most as compared to 19 percent in the 2007 data. Sample comments received include:

- "Great learning experience for children"
- "The center has a great view of the lake"
- "Nice back porch"
- "The tour guide was the best, very friendly and informative"
- "Animal displays and interactive exhibits"
- "Seeing yachts go by"
- "Exhibits are very informative"
- "Beautiful building and grounds"
- "Friendly and helpful staff"
- "I did not know this was here I was looking for info useful to my high school classroom. I was impressed with your facility"

Visitor Center Improvement Comments: A 2-year analysis of categories and their associated percentage of comments are presented in Figure 21. Sample comments received include:

- "Need a few more rocking chairs"
- "Environmental education center and hands on area for kids"
- "More picnic tables near visitor center to enjoy the view"
- "Would like to take tour of the dam"
- "Up to date displays"
- "Vending machines"
- "Need navigational maps of the lake"
- "More snakes"
- "More native/original history"
- "More computer games for children"

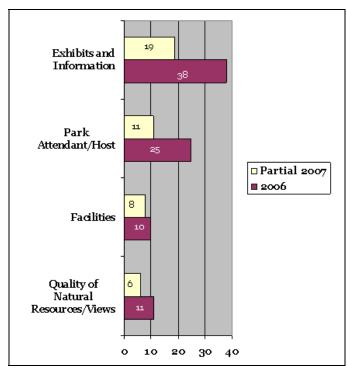


Figure 20. Visitor center most-liked facility comment categories and percentage of respondents.

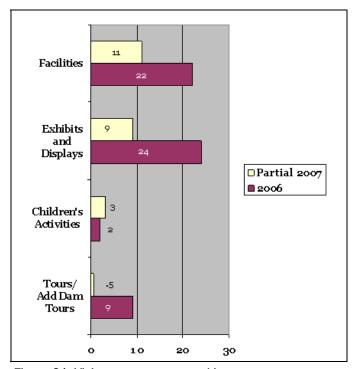


Figure 21. Visitor center suggested improvement comment categories and percentage of respondents.

Primary Reason for Visiting Visitor Center: A 2-year analysis of the primary reason Corps SAD visitors elected to stop at a visitor center is presented in Figure 22:

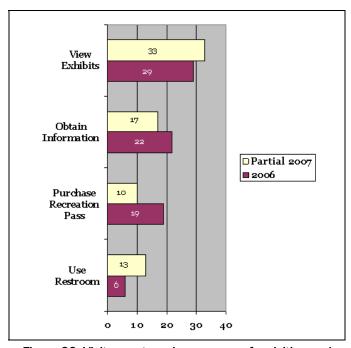


Figure 22. Visitor center primary reason for visiting and percentage of respondents.

Management Implications: General recreation area comments allow visitors to provide feedback on a wider range of topic areas and can provide immediate feedback to visitor center managers on topics of greatest concern to the visitors. Managers would commonly want to continue providing those elements visitors liked most and consider making suggested improvements. More specific information includes:

- Most-liked features Friendly and helpful attendants, attractive facilities, scenic views, and informative exhibits and information are aspects surveyed visitors liked most.
- Improvement Improving/updating exhibits and adding facilities such as vending machines, adding dam tours and more children's activities were deemed most important by surveyed visitors. A request to improve and update exhibits also corresponds with having a majority of repeat visitors who wish to view new information.
- Primary reason for visiting Viewing exhibits about the area, obtaining information, purchasing recreation passes, and using restrooms were the primary reasons given for visiting visitor centers.

 General – These findings also correspond with American Customer Satisfaction Index results (ACSI 2006) indicating that facilities, information and visitor services are key drivers of visitor satisfaction.
 Sample comments received when national visitors were surveyed as to why they return to Corps recreation sites include:

- "I promised my father we would go down every year after he passed away – family tradition."
- o "It is easy to get around in the Army parks in my wheelchair."
- "There aren't that many hills and woods...it is one place that has woods and no housing developments."

Federal agency visitor center improvement comment comparison

Visitor Center Suggested Improvements: Comparing visitor survey results for Corps SAD projects to results for other federal agencies provides some insight into satisfaction levels for a broader base of recreation customers. It should be noted that this is a general comparison due to variations in survey methodology, facilities, and visitors. A comparison of Corps survey data to NPS data (Gramann 2003) revealed the following:

- Corps SAD Suggested Improvements: Surveyed visitors indicated a
 desire for current, informative exhibits; convenience elements such as
 vending machines; dam tours; and more children's activities. Note that
 dam tours were eliminated or greatly reduced following 9-11 for
 security concerns.
- NPS Suggested Improvements: In a study of demographic and information-technology trends affecting visitor center use, the NPS learned that an "ideal" visitor center would have: traditional elements such as restrooms, information, attendants, a safe and modern facility, and interesting things to buy. It would also incorporate diverse needs and technology by: providing affordable/personable/customizable information; having current theme information delivered with both low- and high-tech methods; being multi-lingual and physically accessible; creating a dynamic and interactive experience across age groups; and providing an interactive decision tree to help plan visitor stays.

5 Study Limitations and Error

The Corps has elected to use a simplified customer comment card process that utilizes a Survey Schedule Generator, 20 sampling dates, and 10 sampling cards per day (USACE 2008c). This produces approximately 160 comment cards (total for both camping and day use) per sampled project. Projects conducting visitor center surveys generate an additional 160 comment cards or approximately 20 interviews per week during the peak 2 months of visitation. While these finite sample sizes significantly decrease the burden on field personnel for conducting surveys, it reduces the survey accuracy. Evaluation of sample size versus precision in earlier surveys at 20 projects led to selection of n = 240 per project to achieve an anticipated 80-percent confidence interval of plus or minus 0.2 in rating item scores. This suggests a detection level of score differences between projects greater than approximately 0.4 for individual satisfaction measures.

Since that time, the comment card program was expanded to produce separate information for campers, day-users, and visitor center patrons, and use of the data shifted from quantitative comparison of rating scores to qualitative comparisons of visitor suggestions. Use was also shifted away from quantitative rating scores towards visitor comments and suggestions. The increased sampling burden on visitors and project personnel and the shift from primarily quantitative to qualitative use of data motivated a reduction in sample size. Therefore precision of rating item means at the project level might be less for project-level results, but would increase for summaries at progressively higher administrative levels.

During the period covered by this analysis, the survey was adjusted to accommodate changes in program objectives from year to year as determined by the Recreation Leadership Advisory Team. These adjustments included changes in the survey questionnaire, target populations, and corresponding changes in survey procedures. These changes may produce some discrepancies between the surveyed population and the overall project visitor population. In its present form, the comment card survey is intended to produce separate satisfaction estimates for day-users, campers, and visitor center patrons at each

project, with a similar level of precision for each group. Summaries across these three groups of visitors and summaries at administrative levels other than the project may also introduce discrepancies. This is particularly true if unweighted pooling of data for campers, day-users, and visitor centers, as well as different projects, occurs. It should also be noted that dissatisfied campers who ended their stay earlier than scheduled may have been missed in these surveys.

6 Summary and Discussion

The 22 Corps lakes in the South Atlantic region provide social, economic, and environmental benefits for all Americans. By providing opportunities for active recreation, Corps lakes help combat one of the most significant national health problems — lack of physical activity. Recreation activities also help strengthen family ties and friendships; provide opportunities for children to develop personal skills, social values and self-esteem; and increase water safety. In 2006, it is estimated that 65 million visits or person-trips occurred in SAD by individuals who participated in activities like picnicking, camping, swimming, water-skiing, boating, sightseeing, fishing, and hunting (USACE 2008d).

Money spent by visitors to Corps lakes on trips adds to the local and national economies by supporting jobs and generating income and is vital for local communities. The 2006 SAD visits generated \$1.5 million in spending within 30 miles of Corps lakes, with 57 percent captured by the local economy as direct sales effects. With multiplier effects, it resulted in \$704 million in value added (wages and salaries, profits and rents, etc.) and supported 18,657 jobs in area communities (USACE 2008d).

Recreation experiences can also increase the motivation to learn more about the environment; understanding and awareness of environmental issues; and sensitivity to the environment. The 22 SAD lakes reached nearly 271,000 individuals with environmental education contacts in 2006 (USACE 2008d).

In light of these important benefits, it is beneficial to conduct periodic surveys of recreation visitors to determine:

- Visitor socio-demographic characteristics, particularly when the sampling is statistically controlled
- The types of features and activities visitors desire most at both recreation areas and visitor centers
- Visitor thoughts on potential improvements

With this information, it is possible to identify from the SAD recreation visitor analysis:

 Apparent under-representation of some ethnic and racial groups in the surveyed population

- Majority of visitors are well-satisfied with both recreation areas and visitor centers
- Recreation area features that visitors liked most were: the quality of natural resources, a quiet setting, and clean facilities
- Recreation area features that visitors would like improvement of were: adding/improving utility hook-ups at campsites, adding showers or restrooms, and adding/improving lighting
- Visitor Center features that visitors liked most were helpful attendants, attractive facilities, scenic views and information
- Visitor Center features that visitors would like improvement on were: improving or expanding exhibits, adding vending machines and more activities for children
- Visitor Center visitors come to the centers primarily to view exhibits, obtain information, purchase recreation area passes, and use restrooms

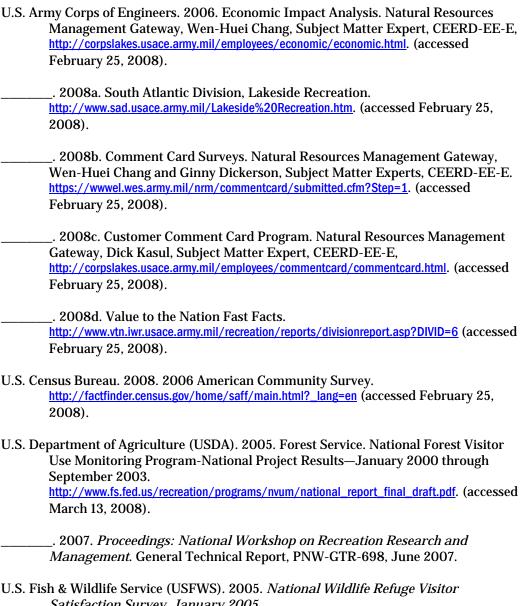
This knowledge serves recreation managers by:

- Identifying what area populations may need to be targeted to encourage visitation
- Learning what the staff is doing well and what they could improve upon from the viewpoint of their visitors when making management and investment decisions
- Discovering potential perception and expectation differences between first-time and repeat visitors
- Giving insights into levels of sustainable recreation development that protect natural resources valued by visitors
- Providing a much better overall understanding of the visiting recreation public being served.
- As recreation area availability and visitor travel costs change in the future, the information contained in this report may serve as a baseline reference.

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Appendix A: Recreation Area Visitor Comment Card – 2006 to Present

					Camping All Visitors	□ ∘					
Please help us serve you better on future visits to:	Today's Date://					YYYY)					
Recreation Area:	Pro	ject:									
Previous visits to this recreation area:	Use of pa	ark faciliti	es at thi	s area:							
1. Is this your first visit to this recreation area? (Choose one) Yes No Not Sure	visit? (Che	eck all that	apply)	g at this recre		07.073					
2. If not, how many other times have you visited this area in the last 12 months? (Enter number)	☐ Use s	Stay overnight in campground Use restrooms or showers Use swimming beach Use a recreational trail Use picnic facilities Use boat or facilities at a marina Launch a boat Other:									
Visitor fees:	About yo	urself:				95					
During your current visit:		oostal (ZIP) one for each			(Write In)						
1 Did you use an annual pass or a senior or disability discount pass to offset the fees charged at this area?	2. You live	e in: 🔲 U	. s. 🔲	Canada							
(<i>Choose one</i>) ☐ Yes ☐ No ☐ Not Sure	4. Gender	: Fema	ale 🔲 I				atino				
2. Did you pay a fee to enter or use this area?	6. Racial a	affiliation:	typing on								
(Ch <i>oose one</i>) ☐ Yes ☐ No ☐ Not Sure	No					n Indian or Alaska Native					
		tion see	S.M. 111.04								
Please indicate your level of satisfaction with each of t	he following	items: (c	check on	e box for ea	ch item)	-					
Please indicate your level of satisfaction with each of t Item	he following	Very Good	Good	Not Good Not Poor	ch item) Poor	Very Poor	Does Not Apply				
Item Facilities:		Very Good	Good	Not Good	Poor		Not Apply				
Item Facilities: Suitability of park facilities for my recreational equipment an Restroom cleanliness and availability of conveniences		Very Good	Good	Not Good Not Poor	Poor		Not Apply				
Item Facilities: Suitability of park facilities for my recreational equipment an Restroom cleanliness and availability of conveniences Appearance of park grounds		Very Good	Good	Not Good Not Poor	Poor	Poor	Not Apply				
Item Facilities: Suitability of park facilities for my recreational equipment an Restroom cleanliness and availability of conveniences Appearance of park grounds Adequacy of signs providing directions and information Parking space availability during this visit		Very Good	Good	Not Good Not Poor	Poor		Not Apply				
Item Facilities: Suitability of park facilities for my recreational equipment an Restroom cleanliness and availability of conveniences Appearance of park grounds Adequacy of signs providing directions and information Parking space availability during this visit Condition of roads and parking areas in the park		Very Good	Good	Not Good Not Poor	Poor	Poor	Not Apply				
Item Facilities: Suitability of park facilities for my recreational equipment an Restroom cleanliness and availability of conveniences Appearance of park grounds Adequacy of signs providing directions and information Parking space availability during this visit		Very Good	Good	Not Good Not Poor	Poor	Poor	Not Apply				
Item Facilities: Suitability of park facilities for my recreational equipment an Restroom cleanliness and availability of conveniences Appearance of park grounds Adequacy of signs providing directions and information Parking space availability during this visit Condition of roads and parking areas in the park Employees: Availability of park rangers and staff Helpfulness of park rangers and staff Environmental Setting:		Very Good	Good	Not Good Not Poor	Poor	Poor	Not Apply				
Titem Facilities: Suitability of park facilities for my recreational equipment an Restroom cleanliness and availability of conveniences Appearance of park grounds Adequacy of signs providing directions and information Parking space availability during this visit Condition of roads and parking areas in the park Employees: Availability of park rangers and staff Helpfulness of park rangers and staff		Very Good	Good	Not Good Not Poor	Poor	Poor	Not Apply				
Titem Facilities: Suitability of park facilities for my recreational equipment an Restroom cleanliness and availability of conveniences Appearance of park grounds Adequacy of signs providing directions and information Parking space availability during this visit Condition of roads and parking areas in the park Employees: Availability of park rangers and staff Helpfulness of park rangers and staff Environmental Setting: Attractiveness of surrounding scenery and landscape Quality of land and water resources for my activities Overall:		Very Good	Good	Not Good Not Poor	Poor	Poor	Not Apply				
Facilities: Suitability of park facilities for my recreational equipment an Restroom cleanliness and availability of conveniences Appearance of park grounds Adequacy of signs providing directions and information Parking space availability during this visit Condition of roads and parking areas in the park Employees: Availability of park rangers and staff Helpfulness of park rangers and staff Environmental Setting: Attractiveness of surrounding scenery and landscape Quality of land and water resources for my activities		Very Good	Good	Not Good Not Poor	Poor	Poor	Not Apply				
Facilities: Suitability of park facilities for my recreational equipment an Restroom cleanliness and availability of conveniences Appearance of park grounds Adequacy of signs providing directions and information Parking space availability during this visit Condition of roads and parking areas in the park Employees: Availability of park rangers and staff Helpfulness of park rangers and staff Environmental Setting: Attractiveness of surrounding scenery and landscape Quality of land and water resources for my activities Overall: Waiting times needed to access park facilities and services Feeling of safety and security in the park Value received for any visitor fees paid		Very Good	Good	Not Good Not Poor	Poor	Poor	Not Apply				
Facilities: Suitability of park facilities for my recreational equipment an Restroom cleanliness and availability of conveniences Appearance of park grounds Adequacy of signs providing directions and information Parking space availability during this visit Condition of roads and parking areas in the park Employees: Availability of park rangers and staff Helpfulness of park rangers and staff Environmental Setting: Attractiveness of surrounding scenery and landscape Quality of land and water resources for my activities Overall: Waiting times needed to access park facilities and services Feeling of safety and security in the park Value received for any visitor fees paid Overall satisfaction with my visit to this area		Very Good	Good	Not Good Not Poor	Poor	Poor	Not Apply				
Facilities: Suitability of park facilities for my recreational equipment an Restroom cleanliness and availability of conveniences Appearance of park grounds Adequacy of signs providing directions and information Parking space availability during this visit Condition of roads and parking areas in the park Employees: Availability of park rangers and staff Helpfulness of park rangers and staff Environmental Setting: Attractiveness of surrounding scenery and landscape Quality of land and water resources for my activities Overall: Waiting times needed to access park facilities and services Feeling of safety and security in the park Value received for any visitor fees paid		Very Good	Good	Not Good Not Poor	Poor	Poor	Not Apply				

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Thank You!

Your thoughtful feedback today will help make future visits here more enjoyable and worthwhile for everyone.

Are you interested in learning more about recreation opportunities on Corps of Engineers lakes? Visit our website at www.CorpsLakes.us

Appendix B: Visitor Center Comment Card

About your visit here today: 1. Have you ever been to this Visitor Center Feature Very Important Important	IS Army Corps f Engineers	C	om	men	t Card			Survey	' ☐ Self-servi	ice Tour	
1. Have you ever been to this Visitor Center Feature	Please help us serve you better at th	he				Visi	tor Cen	ter!	Today's Date:		YYY)
Center before? (Choose one) Yes No Not Sure	About your visit here today:	How is	mport	<i>ant</i> were	e each of the	followi	ng to y	our visit? (Check one box	for each feat	ure)
2. What was your primary reason for coming here today? (Choose one) View the exhibits Take a guided tour Attend special program or event Use the restroom Choose one) Accessibility to persons with Attend special program or event Use the restroom Choose one) Accessibility to persons with Attend special program or event Use the restroom Choose one) Choo			Visito	r Center	Feature			Important			NA
2. What was your primary reason for coming here today? (Choose one) Give whe exhibits Parking Parki	☐ Yes ☐ No ☐ Not Sure	Facili	ities:								
Restrooms	3. What was your primary reason						П	П			П
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Other S. Age: (Choose one) Choose one) Choose one	Tibitor deliter reduce		Good		Not Poor		Poor		2. You live in:		
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1. REPORT DATE (DD- December 2008	,	EPORT TYPE Final report		3.	DATES COVERED (From - To)	
4. TITLE AND SUBTITE		mai report		5a	CONTRACT NUMBER	
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U.S. Army Engineer	Research and Develop	oment Center				
Environmental Labor					ERDC/EL TR-08-42	
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Vicksburg, MS 3918	30-6199					
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12. DISTRIBUTION / A	VAILABILITY STATEME	NI				
Approved for public	release; distribution is	unlimited.				
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14. ABSTRACT						
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